

**Subject: glowbugs V1 #218**

**glowbugs**

**Tuesday, January 6 1998**

**Volume 01 : Number 218**

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Date: Sun, 04 Jan 1998 18:43:43 -0700

**From: Dexter Francis <cwest@xmission.com>**

**Subject: Re: Another component source**

The Voluntary HF Ban Allocation indicates that CW and RTTY run from 1.800 to 1.840 and Phone runs from 1.840 to 1.850 DX and 1.840 to 2.000 generally. This puts it in the DX phone band.

- -df

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Need to Buy or Sell Tubes, Parts or BA Gear?  
Visit our Web site at <http://www.xmission.com/~cwest/>  
e-mail to: [tubes@usa.net](mailto:tubes@usa.net) -or- [cwest@xmission.com](mailto:cwest@xmission.com)  
P.O. Box 22443, Salt Lake City, Utah 84122

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Date: Mon, 5 Jan 1998 10:12:10 -0500 (EST)

**From: rdkeys@csemail.cropsci.ncsu.edu**

**Subject: Re: freq hangout??**

>

> before i order crystals,

> what are the popular freq's that people hang out on??

If you are into CW, then 3579 is the place to be (3579R545, technically, although folks rubber their rocks down to about 3579R000 or a little lower to get away from the TV hash).

There have been a lot of folks on over the holidays, and everything from Hartley oscillators to the latest in vacuum tube tech, on 3579. Great bunch o' folks there, anytime after dark.

73/ZUT DE NA4G/Bob UP

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Date: Mon, 5 Jan 1998 10:29:29 -0500 (EST)

**From: rdkeys@csemail.cropsci.ncsu.edu**

**Subject: Re: 813 xtal osc. (update)**

> > > Last night I soldered in the last component and ran the smoke test.

> > > No smoke and 100 watts output with a 3.579 whimpy crystal! Ok, now

> > > the fun begins...a tweak here, a tweak there...shape the keying, ect.

> >

> > I heard Jack's fine 813 rockcrusher last night on the BA/GB QRG, and

> > it sounded quite fine! Nice job Jack!.

>

> Which QRG? 3579 or 7050?

3579..... the place for all great glowbugge devices.....(:+)}.....

Bob/NA4G

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Date: Mon, 5 Jan 1998 08:50:56 -0800  
From: "Frank A. West" <ke6vhm@earthlink.net>  
Subject: Midland manual for 13-893

Greetings to all and Happy New Year

I am in the need for the above manual. Going to convert this little baby to 10M and add CW. Can anyone help. Naturally will compensate u for costs of copy es postage.

Thanks in advance. Think this fits all 4 groups. If you don't think so, sri. Please respond direct.

"Flame suit on NOW Scotty"

TTFN 73 Frank KE6VHM / AG  
Grid Square DM13  
Woodcrest, CA  
QRP-L #1323 / AK/QRP #269  
ICQ UIN# 1778080 ASK ME!!!  
CW Forever - Have Paddle will Pound  
ke6vhm@earthlink.net

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Date: Mon, 5 Jan 1998 13:08:10 -0500 (EST)  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Happy New Year DE NA4G/Bob UP

Happy New Year to all the Glowbugs. It was an interesting holiday at olde BA Bob's shack. Nothing particularly interesting from Santa, in the way of BA's, but lots of FB air time on watch on the BA/GB QRG of 3579R545 KHZ and a little on 1802R500. I heard a number of you, and worked some of you, and there were even a few newbies that seem to have heard about us by word of mouth. I finally had time enough to rebuild the old R-388 and R-390A, ``FITCAL Forever'' as the old Army service techs are wont to sometimes say, and get most of the AN/SRT-14 up and running satisfactorily (still a bit of synthesizer work to fix tho.....). I had a great time on SKN and worked all kinds of boatanchors and fine BA CHOPS, including some sparkers in the 9th decade (could they spin some yarns, fer sure.... one even worked Marconi himself on 1/2 KW spark sets in 1922, for starters!) with Grandma Hartley and Twinnie Triode Regenerator and the old JANuine Wooden Pump Handle Straight Sendin' Plank seen on some of the web sites. Anything Twinnie Triode could hear, Grandma Hartley could work, and that was pleasing, considering Grandma gets out with about 5-7 watties de ethere, if she feels a bit testy on any given day. I heard several others with Hartleys, and even worked a 1922 1BCG replica KW Hartley on 160M (1813 khz be a good place to listen for it). It has 4 250 watt '04A's for glowing bottelen --- that be one mean rig, fer sure. I hope some of the rest of you are getting yer Hartleys and regennies up and purring..... I know some are, and Paul/K9NO up in Chitown really has a fine time with his regennie to hear him rave about it on the air.

Mebbie, we will sees ya on da BA/GB QRG some time..... 3579R545 down a tad to clear the TV hash if it bothers ye, anytime after dark.

73/ZUT DE NA4G/Bob UP

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Date: Mon, 5 Jan 1998 17:21:09 -0500 (EST)  
**From:** rdkeys@csemail.cropsci.ncsu.edu  
**Subject:** Re: 813 xtal osc. (update) xtal rubbering

>  
> On Mon, 5 Jan 1998 rdkeys@csemail.cropsci.ncsu.edu wrote:  
> >  
> > 3579..... the place for all great glowbugge devices.....(:+)}.....  
> >  
> I have a question. You talked of people rubering down in frequency thier  
> 3.579 xtal to avoid the colour burst noise. What is the best way to  
> acomplish that frequency move ??  
>  
>  
> Kevin Pease  
> WBOJZG  
> Mount Juliet, TN.

Generally there are two usable ways to do this:

1. Plain old no. 1 leaden pencil coating the xtal surface.  
Make a light dusting of the graphite on one side only then check for frequency and activity. Use as little as possible to rubber it down. Several KHZ can be downed in the QRG that way, with care. I used to do this all the time on my old box of 100 novice rocks. I had every 2 khz on 80 and 40M, and every 5 kc on 15, and used the lead pencil to adjust them to where I wanted them for a particular oscillator (DX-60). Use a VERY SOFT rubber artists eraser to remove the graphite coating.
2. India ink coat the xtal, as in 1, above. It is reputed to do the same thing. I, personally have not tried this method, since I get good results with the pencil lead approach. This method is reputed to leave a higher activity in the coated xtal.

Others may have fine details or comments they want to fill in with, I am sure. Sandy/W5TVW has used this on his tvrocco xtals.

73/ZUT DE NA4G/Bob UP

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Date: Mon, 5 Jan 1998 18:34:14 -0600 (CST)  
**From:** Kevin Pease <hamradio@mml001.theporch.com>  
**Subject:** Re: 813 xtal osc. (update) xtal rubbering

Only one problem with your method. The XTAL that I am useing is a sealed monster and I can't get at the xtal to try. I need an electronic method of frequency shift. Also would be nece to use the shift on both 80 amd 40

meter xtals. Maybe I should build a simple SS VFO and forget about XTALS.  
I do like the simplicity of the XTAL.

Kevin Pease  
WB0JZG  
Mount Juliet, TN.

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Date: Tue, 6 Jan 1998 01:06:33 +0000  
**From: Sandy W5TVW <ebjr@worldnet.att.net>**  
**Subject: Re: 813 xtal osc. (update) xtal rubbering**

At 12:34 AM 1/6/98 +0000, you wrote:

>

>Only one problem with your method. The XTAL that I am using is a sealed  
>monster and I can't get at the xtal to try. I need an electronic method of  
>frequency shift. Also would be nice to use the shift on both 80 and 40  
>meter xtals. Maybe I should build a simple SS VFO and forget about XTALS.  
>I do like the simplicity of the XTAL.

>

>Kevin Pease  
>WB0JZG  
>Mount Juliet, TN.

>

>Ah, 'sealed crystals'! The HC-6/U variety, I presume? If you have those  
it's a problem, as you have to heat the base solder joint and carefully remove  
the "can" to get to the rock. Apply some #1 pencil lead to one side of the  
rock  
and test. If you are careful, you can resolder the "can" when you are done.  
I do this with the tiny little TV rocks but throw the can away. The crystal  
until  
is mounted inside an old FT-243 crystal holder after taking the innards out.  
The BEST old style holders for this are the FT-241 ones with the two screws in  
the bottom that hold the lid on. The plated/canned crystals move down  
easier than the older type ones, but you have to be careful. A "ham fisted"  
person  
should avoid doing this!

73,

E. V. Sandy Blaize, W5TVW  
"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive  
Metairie, LA., 70001

\*\*860 Hartley 'ECO' under construction\*\*\*\*  
\*\*\* Looking for a TRC-10 transceiver \*\*\*\*\*  
\*\*\* Looking for an RAL receiver \*\*\*\*\*

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Date: Tue, 6 Jan 1998 10:11:24 -0500 (EST)  
**From: rdkeys@csemail.cropsci.ncsu.edu**  
**Subject: Re: 813 xtal osc. (update) xtal rubbering**

> Only one problem with your method. The XTAL that I am using is a sealed

> monster and I can't get at the xtal to try. I need an electronic method of  
> frequency shift. Also would be nece to use the shift on both 80 amd 40  
> meter xtals. Maybee I should build a simple SS VFO and forget about XTALS.  
> I do like the simplicity of the XTAL.  
>  
> Kevin Pease  
> WBOJZG  
> Mount Juliet, TN.

OK, then if you want the variable method, AKA VXO, add a small parallel capacitor across the xtal, say a single plate or two plate 10-20pf cap and use that to rubber it down. If memory serves me correctly, you can use it in series and rubber it up, but that is not what folks usually want to do on the BA/GB QRG. I was thinking you wanted a permanent move down, where the leaden or India ink trick would be the standard method.

Bob/NA4G

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End of glowbugs V1 #218  
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